

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/000856

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: G01N 33/68; 33/574, 33/564, 33/569

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
WPIDS, CA, JAPIO, Medline (antigen; antibody; complex; mycobacter\* or tubercul\* or pseudomon\*; immunoadsorb\* or immunoaffinity or immunocapture; diagnos\* or identif\* or screen or test; elut\*)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,932,705 A (BERGET et al.) 3 August 1999. Whole document.	43-174, 193-196
X	US 5,116,766 A (MCDONALD) 26 May 1992 Whole document (see, in particular, column 7 line 59 to column 8 line 16; Example 2).	1-42
X	US 6,416,962 B1 (DAS et al.) 9 July 2002 Whole document.	43-70, 128-174, 193-196
X	US 6,245,331 B1 (LAAL et al.) 12 June 2001 Whole document (see, for example, column 21 line 9-37; column 22 lines 31-45).	1-70, 128-174, 193-196

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
6 September 2004

Date of mailing of the international search report

20 SEP 2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO. 1999/000671 A2 (THE REGENTS OF THE UNIVERSITY OF MICHIGAN) 7 January 1999. Whole document.	43-174, 193-198
X	US 5,670,312 A (SANTI) 23 September 1997. Whole document.	43-174, 193-198
X	Kronborg, G. et al., (1992) <i>APMIS</i> , vol. 100, pp 175-180. 'Lipopolysaccharide is present in immune complexes isolated from sputum in patients with cystic fibrosis and chronic <i>Pseudomonas aeruginosa</i> lung infection'. Whole document.	1-174, 193-198
X	Romain F. et al., (1993) <i>Infection and Immunity</i> , vol. 61(2), pp 742-750. 'Identification of a <i>Mycobacterium bovis</i> BCG 45/47-kilodalton antigen complex, an immunodominant target for antibody response after immunization with living bacteria'. Whole document.	43-70, 128-160, 193-196
X	Ranadive S.N. et al., (1986) <i>Clin. Exp. Immunol.</i> , vol. 64, pp 277-284. 'Humoral immune response in tuberculosis: initial characterization by immunoprecipitation of 125Iodine labelled antigens and sodium dodecyl sulfate polyacrylamide gel electrophoresis'. Whole document.	43-70, 128-174, 193-196

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/AU2004/000856**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	5,932,705	US	4957739	US	5336491
US	5,116,766	CA	1233115	EP	0109051
US	6,416,962	US	2003153019	US	4783525
US	6,245,331	US	6506384		
WO	99/00671	AU	82673/98	CA	2294514
		US	6677128	EP	0991945
US	5,670,312	AU	11804/95	CA	2175374
		EP	1150121	US	5492807
				EP	0729517
				WO	9514110
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					